REQUEST FOR ACTION (RFA)						
SWSI Bull	1. Review Type2. RFA No.3. Review DateSWSI Bulk Scheduling Enhancement Concept ReviewCCR 452/168-01July 7, 2004					
4. Title Submit Butt	ton Flow Diagra	am Save Functi	ion Clarification)		
5. Action Verify that save function in "submit" path is identical to save function in "save" path of data flow diagram (i.e., both valid and invalid requests are saved). The flow of the current diagram could be misconstrued to mean that only valid requests are saved.						
	Reference Slide 10 Data Flow Details for "Submit" path.					
•	Organization/Tel le / NENS/SPM	•		athan.steele@hor	neywell-tsi.com	
Hoai Vo / HTS	7. Assigned To/Organization/Telephone No./E-mail Hoai Vo / HTSI/ 301.805.3937 / hoai.vo@honeywell-tsi.com Yuen-Han Kan / HTSI/301.286.1992 / yuen-han.kan@honeywell-tsi.com					
8. Response Response is provided on following page:						
,	By/Organization/ 1 / HTSI/301.28	•		ywell-tsi.com	Date Prepared 7/12/04	
10. Originator	Contacted	☐ No		Yes Date	e 7/12/04	
11. Disposition	7	Open	Deferred	Closed	☐ Withdrawn	
12. Comments Sent email to originator and assignee with due dates 7/12/04. Received email on 7/12/04 with response from assignees. Merri Benjamin sent email with completed responses on 7/22/04. 7/28/04 email sent to originator with response and request for concurrence/disapproval.						
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			nnini, Code 452/	454/565 Concept Review	 Date	

Both valid and invalid requests are saved to disk.

The flow of the diagram can be modified to better clarify its functions.

The set of buttons: "Submit", "Cancel", and "Save" will be reduced to "Submit" and "Cancel".

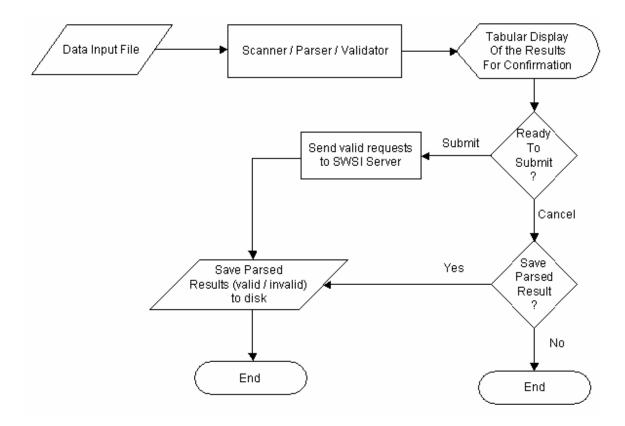
If "Submit" function is selected, it will save parsed requests to disk and submit each valid request one at a time to SWSI server.

If "Cancel" function is selected, it will ask the user whether he wants to save the parsed result to disk before canceling the batch submittal with a "Yes" or "No" dialog.

If the user selects "Yes", it will save the parsed result to disk and cancel the transaction.

If the user selects "No", it will simply cancel the transaction.

A new diagram is listed below:



		REQUES7	FOR ACTION	ON (RFA)		
	1. Review Type2. RFA No.3. Review DateSWSI Bulk Scheduling Enhancement Concept ReviewCCR 452/168-02July 7, 2004					
4. Title "Don't Care	es" in Bulk Sche					
5. Action Confirm that the unknown fields in the sample message are indeed "don't cares" from the user's perspective. There was some discussion during the design review about possibly constraining these bits to specific values.						
	Reference Slide 13 Samp	le Input File				
_	Organization/Telele / NENS/SPM			athan.steel	e@honey	well-tsi.com
Hoai Vo / HTS	7. Assigned To/Organization/Telephone No./E-mail Hoai Vo / HTSI/ 301.805.3937 / hoai.vo@honeywell-tsi.com Yuen-Han Kan / HTSI/301.286.1992 / yuen-han.kan@honeywell-tsi.com					
8. Response Response on following page:						
*	By/Organization/ n / HTSI/301.28	•		eywell-tsi.c	om	Date Prepared 7/12/04
10. Originator	Contacted	□ No		Yes	Date	7/12/04
11. Disposition	n 🗵	Open	Deferred	☐ CI	losed	Withdrawn
12. Comments Sent email to originator and assignee with due dates 7/12/04. Received email on 7/12/04 with response from assignees. Merri Benjamin sent email with completed responses on 7/22/04. 7/28/04 email sent to originator with response and request for concurrence/disapproval.						
13. Approval		Caren Gioar SI Bulk Schedulin	nnini, Code 452		eview	 Date

The fields that will be ignored by the parser of SWSI for Bulk Scheduling are listed as follows:

Message	Data Item	Start Byte in Message	Number of Bytes
SAR	Request ID	3	7
	User ID	19	4
	Password	23	4
	Spare	31	7
	Spare	40	2
	Fix Pattern	71	1
RR	Request ID	3	7
	User ID	19	4
	Password	23	4
	Spare	27	1
	Spare	40	2
	Fix Pattern	71	1
SDR	Request ID	3	7
	User ID	19	4
	Password	23	4
	Spare	27	15
	Spare	49	4

For a detailed description of these fields, please refer to the new 452-ICD-SN/CSM Document (formerly defined in the Interface Control Document Between the Network Control Center Data System and the Mission Operations Centers, 451-ICD-NCCDS/MOC, Revision 1, 1999).

A DCN, to the *Space Network SWSI Client Software User's Guide*, 452-UG-SWSI, will be developed to document the specific contents for the input file. The draft DCN containing this information is to be available for review November 19, 2004. Following a review cycle the DCN will be submitted to the SN CCB for formal approval.

		REQUEST	T FOR ACTIO	N (RFA)			
	Scheduling E oncept Revie	inhancement ew	2. RFA No. CCR 45	52/168-03	3.	. Review Date July 7, 2004	
4. Title Need for "Filte	er For" Bu	tton					
5. Action Consider eliminating the "Filter For" button if its functionality remains associated strictly with the save function. It is currently redundant and somewhat confusing. The filter window could come up when the "Save" button is clicked.							
	Reference Slide 22 GUI Window						
6. Originator/Org Jonathan Steele				:han.steele	e@honey	well-tsi.com	
7. Assigned To/C Hoai Vo / HTSI/ 3 Yuen-Han Kan /	301.805.3937	7 / <u>hoai.vo@ho</u> i	neywell-tsi.com		om	Due Date 7/21/04	
8. Response The "Filter For" button will rename to "Filter" and it will serve as a "real" filter for the requests in the window. It sets a stage for future expansions such as filter for SUPIDEN, TDRS, Msg Class, or Status. The function of the "Save" button will save the requests appear in the window in the format as presented in slide 20. Please also refer to RFA No. CCR 452/168-09.							
9. Response By/0 Yuen-Han Kan /	-	•		/well-tsi.co	om	Date Prepared 7/12/04	
10. Originator Co	ontacted	□ No		Yes	Date	7/12/04	
11. Disposition		Open _	Deferred		osed	Withdrawn	
Sent email to originator and assignee with due dates 7/12/04. Received email on 7/12/04 with response from assignees. Merri Benjamin sent email with completed responses on 7/22/04. 7/28/04 email sent to originator with response and request for concurrence/disapproval.							
13. Approval			nnini, Code 452/4			 Date	

REQUEST FOR ACTION (RFA)							
	Scheduling E oncept Revie		2. RFA No. CCR 4	52/168-04	3.	Review Date July 7, 2004	
4. Title Filter Window	Labels				-		
5. Action Consider changing labels to "Start Creation Time" and "Stop Creation Time" (customer suggestion).							
	Reference Slide 23 GUI Window						
6. Originator/Org Jonathan Steele				ıthan.steele	e@honey	well-tsi.com	
7. Assigned To/Organization/Telephone No./E-mail Hoai Vo / HTSI/ 301.805.3937 / hoai.vo@honeywell-tsi.com Yuen-Han Kan / HTSI/301.286.1992 / yuen-han.kan@honeywell-tsi.com							
8. Response The labels will stay as they are, namely, "Minimum Creation Time" and "Maximum Creation Time" to maintain the uniformity of the SN systems (e.g., SPSR).							
9. Response By/0 Yuen-Han Kan /	_	•		ywell-tsi.co	om	Date Prepared 7/12/04	
10. Originator Co	ontacted	☐ No		Yes	Date	7/12/04	
11. Disposition		Open	Deferred	☐ Clo	osed	Withdrawn	
12. Comments Sent email to originator and assignee with due dates 7/12/04. Received email on 7/12/04 with response from assignees. Merri Benjamin sent email with completed responses on 7/22/04. 7/28/04 email sent to originator with response and request for concurrence/disapproval.							
13. Approval							
	SWS	Caren Gioar SI Bulk Schedulin	nnini, Code 452/ ng Enhancement		eview	Date	

REQUEST FOR ACTION (RFA)						
1. Review Type SWSI Bulk Scheduling E Concept Revie		2. RFA No. CCR 452/168-05	_	Review Date July 7, 2004		
4. Title Submission: Tabular Disp	lay of Validatio	n Results				
5. Action Add name of parsed file used	5. Action Add name of parsed file used as example.					
Reference Page 14						
6. Originator/Organization/Tea Don Small / HTSI/ 301.805.34	•					
7. Assigned To/Organization/Telephone No./E-mail Hoai Vo / HTSI/ 301.805.3937 / hoai.vo@honeywell-tsi.com Yuen-Han Kan / HTSI/301.286.1992 / yuen-han.kan@honeywell-tsi.com						
8. Response The title of the Tabular Display of Validation Results will be modified to include the name of the parsed bulk schedule data file that the results are for. For example, it will read "Summary of Bulk Schedule Request Data File <filename goes="" here="">".</filename>						
Please also refer to RFA No. CCR 452/168-08.						
9. Response By/Organization/	Telephone No./	/F-mail		Date Prepared		
Hoai Vo / HTSI/ 301.805.3937				7/12/04		
10. Originator Contacted	☐ No	∑ Yes	Date	7/12/04		
11. Disposition	Open	Deferred C	losed	Withdrawn		
12. Comments Sent email to originator and assignee with due dates 7/12/04. Received email on 7/12/04 with response from assignees. Merri Benjamin sent email with completed responses on 7/22/04. Email dated 7/12/04 from Don Small requests closure of number 5. Refer to number 8.						
13. Approval						
SWS		nnini, Code 452/454/565 ng Enhancement Concept R	eview	 Date		

	REQUEST FOR ACTION (RFA)						
	1. Review Type SWSI Bulk Scheduling Enhancement Concept Review 2. RFA No. SWSI Bulk Scheduling Enhancement Concept Review Substituting Enhancement Concept Review Substitution Substitutio						
4. Title Submission	n: Request De	tails Window					
5. Action The date and time fields on the "Request Details Window" are not separated and may lead to some confusion when trying to make a distinction between values within these fields. I recommend the date and time in the "Start Time" field values be displayed as DOY/HH:MM:SS-HH:MM:SS. Fields that contain only time values should be displayed as HH:MM:SS.							
Reference Page 16 of the presentation							
	6. Originator/Organization/Telephone No./E-mail William H. Webb / HTSI / (301) 286-1933 / bill.webb@gsfc.nasa.gov						
7. Assigned To/Organization/Telephone No./E-mail Hoai Vo / HTSI/ 301.805.3937 / hoai.vo@honeywell-tsi.com Yuen-Han Kan / HTSI/301.286.1992 / yuen-han.kan@honeywell-tsi.com							
8. Response Yes, the date and time in the "Start Time" field values be displayed as DOY/HH:MM:SS. Fields that contain only time values should be displayed as HH:MM:SS.							
•		/Telephone No./ 86.1992 / yuen-	<i>/E-mail</i> han.kan@hone	ywell-tsi.com	Date Prepared 7/12/04		
10. Originator	Contacted	□ No	\boxtimes	Yes Date	e 7/12/04		
11. Dispositio		Open	Deferred	Closed	☐ Withdrawn		
12. Comments Sent email to originator and assignee with due dates 7/12/04. Received email on 7/12/04 with response from assignees. Merri Benjamin sent email with completed responses on 7/22/04. 7/28/04 email sent to originator with response and request for concurrence/disapproval.							
13. Approval							
	SW		nnini, Code 452/	454/565 Concept Review	Date		

REQUEST FOR ACTION (RFA)						
1. Review Type		2. RFA No.		. Review Date		
SWSI Bulk Schedulin Concept R		CCR 452/168-07		July 7, 2004		
4. Title Client Workstation Mir	nimum System Rec	quirements				
5. Action On the SWSI website in the Client Requirements section (http://swsi.gsfc.nasa.gov/client/client.htm) and in the SWSI Client Software User's Guide (452-UG-SWSI) there are minimum hardware and software requirements specified. Since the client software is significantly changing for the SWSI BSE, it is recommended that these requirements be re-addressed. Specifically, there are two requirements that should be considered. They are: the amount of RAM and the amount of hard disk space required.						
Reference	,					
6. Originator/Organization Donald T. Small/HTSI NE			neywell-tsi.c	com		
7. Assigned To/Organization/Telephone No./E-mail Hoai Vo / HTSI/ 301.805.3937 / hoai.vo@honeywell-tsi.com Yuen-Han Kan / HTSI/301.286.1992 / yuen-han.kan@honeywell-tsi.com						
8. Response Testing will be done to measure the performance of the Alpha or Beta version of the SWSI Client and recommendations to the client requirements will be made as appropriate.						
9. Response By/Organiza Hoai Vo / HTSI/ 301.805.	•			Date Prepared 7/12/04		
10. Originator Contacted	l No	∑ Yes	Date	7/12/04		
11. Disposition	⊠ Open □	Deferred 0	Closed	Withdrawn		
12. Comments Sent email to originator and assignee with due dates 7/12/04. Received email on 7/12/04 with response from assignees. Merri Benjamin sent email with completed responses on 7/22/04. 7/28/04 email sent to originator with response and request for concurrence/disapproval.						
13. Approval						
_		annini, Code 452/454/565 ng Enhancement Concept F	Review	Date		

REQUEST FOR ACTION (RFA)						
1. Review Type2. RFA No.3. Review DateSWSI Bulk Scheduling Enhancement Concept ReviewCCR 452/168-08July 7, 2004						
4. Title Recommenda	•		f Validation Results			
 5. Action The following recommendations should be considered when designing/developing the Tabular Display of Validation Results: 1. present the name of the parsed bulk schedule data file that the results are for 2. provide a means to identify valid/invalid entries other than strictly color (for the color blind) 						
	Reference Slides 14 and 15					
_	Organization/Te all/HTSI NENS	•	_{nail} 3433/donald.small@	honeywell-ts	i.com	
7. Assigned To/Organization/Telephone No./E-mail Hoai Vo / HTSI/ 301.805.3937 / hoai.vo@honeywell-tsi.com Yuen-Han Kan / HTSI/301.286.1992 / yuen-han.kan@honeywell-tsi.com						
The title of the Tabular Display of Validation Results will be modified to include the name of the parsed bulk schedule data file that the results are for. For example, it will read "Summary of Bulk Schedule Request Data File <filename goes="" here="">". The Tabular Display of Validation Results will be expanded to include a status column that helps to identify valid/invalid entries other than the color discriminator. For example, "Valid" will be assigned to those entries that pass the basic validation and "Invalid" will be assigned to those entries that do not pass the basic validation.</filename>						
	By/Organization/ BI/ 301.805.393	•	'E-mail neywell-tsi.com		Date Prepared 7/12/04	
10. Originator	Contacted	☐ No	∑ Yes	Date	7/12/04	
11. Dispositio		Open] Deferred	Closed	☐ Withdrawn	
12. Comments Sent email to originator and assignee with due dates 7/12/04. Received email on 7/12/04 with response from assignees. Merri Benjamin sent email with completed responses on 7/22/04. 7/28/04 email sent to originator with response and request for concurrence/disapproval.						
13. Approval						
	SWS		nnini, Code 452/454/5		Date	

		REQUEST	T FOR ACTIO	N (RFA)			
	Scheduling E		2. RFA No. CCR 4	52/168-09	3.	Review Date July 7, 2004	
4. Title Limited "Filter fo	or Save" Capa	bility					
5. Action							
Why limit the filter criteria for Extraction of Request ID's to just Minimum Creation Time and Maximum Creation Time? I can envision a user wanting to filter based on SUPIDEN, TDRS, Msg Class, or even Status.							
	Reference						
	Slides 22 and 2	23					
•	6. Originator/Organization/Telephone No./E-mail Donald T. Small/HTSI NENS CCE/301-805-3433/donald.small@honeywell-tsi.com						
7. Assigned To						Due Date	
Hoai Vo / HTSI/		·				7/21/04	
Yuen-Han Kan / HTSI/301.286.1992 / yuen-han.kan@honeywell-tsi.com 8. Response The filter criteria for the Extraction of Request IDs were focus to just Minimum Creation Time and Maximum Creation Time because creation time is the most logical field for the scheduling operator to filter a particular batch that he/she submitted recently. By setting the Minimum and Maximum Creation Time, one can narrow the requests to a smaller subset that matches the desired need. Yes, the "Filter For" button will rename to "Filter" and it will serve as a "real" filter for the requests in the window. A discussion to implement filter for other fields will be discussed in the SWSI SERB. Please also refer to RFA No. CCR 452/168-03.							
O Despara Di	·/Oization/	T-lambana No.	/F: !!		<u> </u>	Deta Propored	
Response By Hoai Vo / HTSI/	•	•		<u>1</u>		<i>Date Prepared</i> 7/12/04	
10. Originator (Contacted	□ No	\boxtimes	Yes	Date	7/12/04	
11. Disposition		Open	Deferred	Clo	osed	Withdrawn	
12. Comments Sent email to originator and assignee with due dates 7/12/04. Received email on 7/12/04 with response from assignees. Merri Benjamin sent email with completed responses on 7/22/04. 7/28/04 email sent to originator with response and request for concurrence/disapproval.							
13. Approval							
	SWS		nnini, Code 452/		eview	Date	

	REQUEST FOR ACTION (RFA)					
 Review Type SWSI Bulk Scheduling Concept Rev 		2. RFA No. CCR 452/16	8-10	3. Review Date July 7, 2004		
4. Title Impact of BSE on SWSI Bac	kend Server Pe	rformance				
A recent performance study of SWSI revealed that with limited manual scheduling in progress, backend server CPU utilization reached 100% for 3 to 4 minutes. The majority of the CPU utilization was consumed by the Oracle database process. Earlier this year, while Gravity Probe was conducting heavy scheduling, the SWSI backend server experienced performance-related problems. The concern is that the addition of bulk scheduling will exacerbate the SWSI backend server performance problems. Suggest that a specialized performance test be designed and executed to: 1. monitor SWSI backend server performance during one or multiple bulk schedule submissions 2. characterize the impact of bulk scheduling on SWSI backend server performance 3. develop workarounds if necessary **Reference**						
6 Originator/Organization/T	olophono No /F r	nail				
6. Originator/Organization/Telephone No./E-mail Donald T. Small/HTSI NENS CCE/301-805-3433/donald.small@honeywell-tsi.com						
7. Assigned To/Organization/Telephone No./E-mail Merri Benjamin/HTSI /301.805.3313/ merri.benjamin@honeywell-tsi.com Due Date 7/21/04						
8. Response	8. Response					
The SWSI maintenance team is aggressively looking into SWSI performance problems. We have already identified locations in database procedures that can be modified to improve performance. Investigation is also being performed on the current baseline application to try to optimize the unnecessary database access. The SWSI maintenance team will continue to investigate and implement solutions to current SWSI system to improve the recent problems reported. In addition, during the Bulk Schedule implementation, performance tests will be done to simulate the						
needs on the operational environment, and if necessary, workarounds like metering, will be developed in the design.						
9. Response By/Organization Yuen-Han Kan / HTSI/301.2 Merri Benjamin/HTSI /301.8	86.1992 / <u>yuen-ł</u>	han.kan@honeywell		Date Prepared 7/21/04		
10. Originator Contacted	☐ No	Xes	Date	7/12/04		
11. Disposition	Open] Deferred [Closed	Withdrawn		
12. Comments Sent email to originator and assignee with due dates 7/12/04. Received email dated 7/21/04 with response from assignee. 7/28/04 email sent to originator with response and request for concurrence/disapproval.						
13. Approval						
SW		nnini, Code 452/454/50 ng Enhancement Conc		Date		